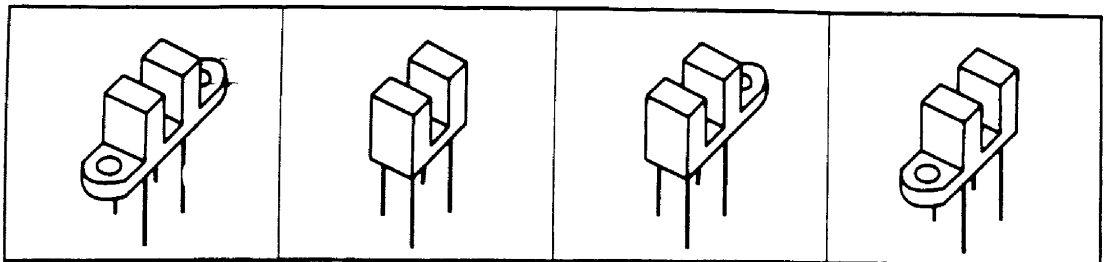
PHOTO INTERRUPTER SERIES

FEATURES

. HIGH RELIABILITY
. HIGH SPEED
. CAPABLE OF A WIDE APPLICATION
. EASY TO BE MOUNTED ON PCB
. 0.5M APERTURE
. LOW COST

APPLICATION

. TAPE - END SENSOR
. TIMING SENSOR
. EDGE SENSOR
. COUNTER SENSOR



MODEL NO. MY-508	MODEL NO. MY-509	MODEL NO. MY-510	MODEL NO. MY-511

ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

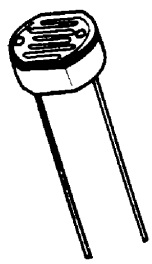
. DIODE POWER DISSIPATION	: 100mW
. PHOTOTRANSISTOR COLLECTOR - EMITTER VOLTAGE	: 30 V
. PHOTOTRANSISTOR EMITTER - COLLECTOR VOLTAGE	: 5 V
. DIODE DERATING LINEAR FROM 25°C	: 1.33 mA/°C
. OPERATING TEMPERATURE RANGE	: -40 °C TO + 100 °C
. STORGE TEMPERATURE RANGE	: -55 °C TO + 100 °C
. LEAD SOLDERING TEMPERATURE (1.6mm FROM BODY)	: 260°C FOR 5 SECONDS

ITEMS	SYMBOL	MIN.	TYP.	MAX.	CONDITIONS	
INPUT:FORWARE VOLTAGE	VF			1.5	V	If=30mA
REVERSE LEAKAGE CURRENT	IR	-	1.2	10	uA	Vr=4V
OUTPUT: DARK CURRENT	Id	-	-			
JUNCTION CAPACITANCE	Ct	-	-	100	nA	VCE=10V, If=0
COUPLED: OUTPUT CURRENT	Ic	0.5			mA	If=20mA, VCE=5V
RISE TIME	Tr	-	5		uS	Ic=2mA, VCE=5A
FALL TIME	Tf	-	5		uS	RL=100 ohms

PHOTOCONDUCTIVE CELLS (CdS)

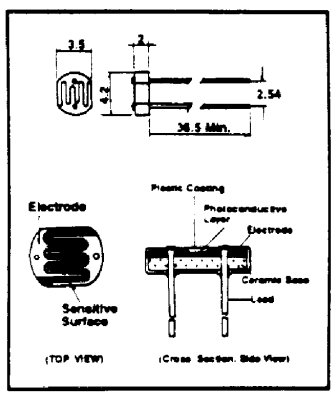
FEATURES

. EPOXY - COATED LOW PROFILE CELL.
. HIGH RELIABLE POWER DISSIPATION.
. COMPACT DIMENSIONS.



APPLICATIONS

. AUTO - FOCUS SLIDE PROJECTS.
. EXPOSURE METERS.
. CONTRAST CONTROL IN TV SETS.
. DIMMER SWITCHES.
. LIGHT SWITCHES.
. DIMMERS FOR LED AND LCD DISPLAYS.
. FLAAME DETECTORS IN OIL BURNERS.
. STREET LAMP SWITCHING.
. ELECTRONIC TOYS.
. OPTO - COUPLERS.
. ELECTRONIC ORGANS.



ELECTRICAL CHARACTERISTICS at Ta=25°C

PART NO.	TYPE	DARK RES.	RES/100Lus
CDS-001	ORP12	10M	130 Ohm
CDS-002	5mmØ	5M	300 Ohm
CDS-003	7mmØ	5M	300 Ohm
CDS-004	10mmØ	5M	300 Ohm
CDS-005	15mmØ	6M	250 Ohm
CDS-006	20mmØ	6M	220 Ohm
CDS-007	25mmØ	6M	200 Ohm